

# Analytical research forum (ARF25)

17 June 2025 | London, UK



**Tuesday 17 June 2025 (Burlington House and online)**  
**Please note all times are BST**

09.30	Registration
10.00	<b>Welcome and introductions</b> Victoria Hilborne, <i>University College London, UK</i>
10.05	<b>Session one</b> (Session chair: Leon Barron)
10.05	<b>UK air quality networks: providing robust data for compliance assessment, research and policy</b> Andrew Brown <i>National Physical Laboratory, UK</i>
10.30	<b>Direct analysis of pesticides in complex matrices using SPME</b> Dara Pierre <i>University of Surrey, UK</i>
10.45	<b>Investigation of pollution level in an allotment designated Land in North East England using a UAV with a Multispectral Image Camera</b> Ibrahim Salaudeen <i>Northumbria University, UK</i>
11.00	<b>Electrons, leaves and light: investigating the photodegradation mechanisms of agrochemicals</b> Sarah Chapman <i>Imperial College London, UK</i>
11.15	Short break
11.25	<b>Session two</b> (Session chair: Vicky Hilborne)  <b>Panel discussion: Sustainability in Analytical Science</b> Andy Evans, <i>Green Light Labs, UK</i> Ben Gray, <i>Sustainable Steps, UK</i> Helena Rapp-Wright, <i>Imperial College London, UK</i> Helena Wong, <i>University College London, UK</i>
12.15	Lunch and Poster session
13.00	<b>Session three</b> (Session chair: Phil Kay)
13.00	<b>What's the analytical data for? Quality, reliability and fitness for purpose</b> Gillian Tully, <i>Tully Forensic Science Ltd and Kings College London, UK</i>
13.25	<b>Wearable protease biosensors for the monitoring of chronic wounds</b> Jodie Hunter <i>University of Surrey, UK</i>
13:40	<b>Paper-based analytical platform for simultaneous and rapid quantification of cancer biomarkers by dual-labeled quantum dot-based fluorescence assay</b> Electra Mermiga <i>National and Kapodistrian University of Athens, Greece</i>
13:55	<b>Multiplex cellular imaging using stimulated Raman scattering microscopy and spectral phasor analysis</b> William Tipping <i>University of Strathclyde, UK</i>

14.10	Poster session and tea/coffee
15.30	<b>Session four</b> (Session chair: Caroline Pollard)
15.30	<b>Sharing laboratory sustainability experiences of mass spectrometry in a low resource environment: Sub Saharan Africa</b> Anthony Gachanja, <i>Jomo Kenyatta University of Agriculture and Technology, Kenya</i>
15:55	<b>In Silico Tentative Identification of Pharmaceutical Biotransformation Products in Receiving Water</b> Kemi Oloyede <i>Imperial College London, UK</i>
16:10	<b>Chemical profiling of organic gunshot residue (OGSR) from around bullet entry holes by direct solvent extraction and non-targeted analysis.</b> Jana Maria Liechti <i>King's College London, UK</i>
16:25	<b>Film-electrochemical EPR spectroscopy as a new tool to investigate electron transfer reactions</b> Maxie M Roessler, <i>Imperial College London, UK</i>
16:50	<b>Poster prize presentations and concluding remarks</b> Victoria Hilborne, <i>University College London, UK</i> Zoë Ayres, <i>Open University, UK</i>
17.00	Drinks reception and networking
18.00	Close